

# Mineral Industry Surveys

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## IRON ORE IN OCTOBER 2002

U.S. mine production of iron ore in October 2002, on a daily average basis, was 6% higher than that of the prior month, according to the U.S. Geological Survey. Shipments decreased by 6%. Mine stocks at the end of the month were 4% lower than at the end of the previous month. Consumption and trade data for October 2002 will be included in a subsequent issue.

**Note**

All data in this report have been rounded to no more than three significant digits. Totals and percentages were calculated by using unrounded data.

TABLE 1  
U.S. PRODUCTION AND SHIPMENTS OF IRON ORE 1/ 2/  
(Exclusive of ore containing 5% or more of manganese)

(Thousand metric tons)

Period	Production		Shipments	
	Monthly	Year to date	Monthly	Year to date
2001:				
October	4,160	39,900	4,850	43,400
November	3,430	43,300	4,290	47,700
December	2,760	46,100	3,740	51,400
2002:				
January	3,700	3,700	2,530	2,530
February	3,200	6,890	1,360	3,890
March	3,660	10,600	2,200	6,090
April	3,840	14,400	4,360	10,400
May	4,850	19,200	5,320	15,800
June	4,870	24,100	5,810	21,600
July	4,430	28,500	5,720	27,300
August	4,580	33,100	5,530	32,800
September	4,270	37,400	4,910	37,700
October	4,650	42,000	4,790	42,500

1/ Data are rounded to no more than three significant digits.

2/ Excludes byproduct ores.

TABLE 2  
U.S. PRODUCTION, SHIPMENTS, AND STOCKS OF IRON ORE IN OCTOBER 1/ 2/

(Thousand metric tons)

District	Production		Shipments 3/		Stocks 4/	
	2002	2001	2002	2001	2002	2001
Lake Superior:						
Michigan	1,200	1,350	1,140	1,510	1,240	2,520
Minnesota	3,450	2,820	3,650	3,340	2,050	3,140
Total	4,650	4,160	4,790	4,850	3,290	5,660

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Excludes byproduct ore.

3/ Includes rail and vessel.

4/ Includes mines, plants, and loading docks.

TABLE 3  
CANADA: SHIPMENTS OF IRON ORE 1/

(Thousand dry metric tons)

Period	Newfoundland	Quebec	British Columbia	Total
2001:				
August	1,380	1,270	6	2,650
September	1,130	1,160	6	2,300
October	2,060	1,060	7	3,120
November	1,670	1,140	6	2,810
December	1,390	756	5	2,150
Year total	17,300	9,560	72	27,000
2002:				
January	782	630	10	1,420
February	355	699	10	1,060
March	1,060	771	5	1,840
April	1,490	913	9	2,410
May	2,390	1,240	8	3,630
June	1,530	828	6	2,370
July	2,290	1,020	7	3,320
August	1,770 r/	940	9	2,720 r/
September	1,960	1,250	7	3,220

r/ Revised.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: Natural Resources Canada.

TABLE 4  
CONSUMPTION AND STOCKS OF IRON ORE AND  
BLAST FURNACE PRODUCTION OF HOT METAL AT U.S. IRON AND STEEL PLANTS 1/ 2/

(Thousand metric tons)

Consumption by source	Consumption of ores and agglomerates			
	September		January-September	
	2002	2001	2002	2001
United States ores	4,390	4,410	35,500	40,200
Canadian ores	489	374	3,090	3,320
Foreign ores	711	496	5,280	4,950
Total	5,590	5,280	43,900	48,500
Consumption by process				
Blast furnaces	5,040	4,910	39,600	44,800
Steel furnaces	52	2	173	25
Agglomerating plants 3/	499	363	4,170	3,650
Miscellaneous 4/	--	--	2	--
Total	5,590	5,280	43,900	48,500
	Stocks of ores and agglomerates, September 30			
Storage point	2002	2001		
Furnace yards	10,500	12,100		
Receiving/transfer docks	1,530	1,670		
Total consumer	12,000	13,700		
	Blast furnace production of hot metal			
	September		January-September	
	2002	2001	2002	2001
Hot metal and pig iron produced in blast furnaces	3,630	3,560	29,900	33,000
No. of blast furnaces operating on the last day of the month	31	37	XX	XX

XX Not applicable. -- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Iron ore and iron ore concentrates consumed in agglomerating plants not located at the mine or plant site.

4/ Sold to nonreporting companies or used for purposes not listed.

Sources: American Iron Ore Association (consumption of iron ore) and American Iron and Steel Institute (production of hot metal and pig iron).

TABLE 5  
U.S. EXPORTS OF IRON ORE, BY COUNTRY OF DESTINATION AND TYPE 1/ 2/

(Thousand metric tons)

Country of destination and type	2002				
	1st quarter	2nd quarter	July	August	September
Canada	738	2,050	810	792	840
Mexico	(3/)	10	8	8	13
Other	1	2	1	4	(3/)
Total	739	2,060	819	804	853
Pellets	736	2,020	783	782	828
Other	3	36	36	23	25
Total	739	2,060	819	804	853

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE, BY COUNTRY AND TYPE 1/ 2/  
(Exclusive of ore containing 20% or more manganese)

Country of origin and type of product	2002					2001
	September		Year to date			January-September
	Thousand metric tons	Value 3/ (thousand dollars)	Thousand metric tons	Value 3/ (thousand dollars)	Value 3/ (dollars per ton)	Thousand metric tons
Australia	65	558	440	4,340	9.87	445
Brazil	507	11,100	4,110	94,500	23.00	3,480
Canada	606	18,300	3,510	104,000	29.50	3,370
Chile	44	939	234	4,690	20.02	464
Norway	5	150	15	322	21.07	26
Peru	--	--	69	835	12.14	39
Sweden	--	--	44	1,040	24.00	50
Other	--	--	121	5,330	43.97	407
Total	1,230	31,100	8,540	215,000	25.12 4/	8,290
Concentrates	44	939	347	7,630	22.00	408
Coarse ores	--	--	3	104	37.00	25
Fine ores	369	5,990	2,660	42,600	16.01	3,510
Pellets	814	24,200	5,240	156,000	29.87	4,050
Briquettes	--	--	39	3,120	81.00	65
Other agglomerates	--	--	247	4,430	17.97	231
Roasted pyrites	(5/)	3	11	338	30.53	7
Total	1,230	31,100	8,540	215,000	25.12 4/	8,290

-- Zero.

1/ Data, with the exception of the dollars per ton column, are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Customs value. Excludes international freight, insurance, and other c.i.f. charges.

4/ Weighted average calculated by dividing total value by total tonnage.

5/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7  
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE IN SEPTEMBER 2002 1/ 2/  
(Exclusive of ore containing 20% or more manganese)

(Thousand metric tons)

Country of origin	Type of product						Total
	Concentrates	Coarse ores	Fine ores	Pellets	Briquettes and other agglomerates	Roasted pyrites	
Brazil	--	--	297	211	--	--	507
Canada	--	--	2	604	--	--	606
Other	44	--	70	--	--	(3/)	114
Total	44	--	369	814	--	(3/)	1,230

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 8  
U.S. IMPORTS FOR CONSUMPTION OF PELLETS, BY COUNTRY 1/

Country of origin	2002					2001
	September		Year to date			January-September
	Thousand metric tons	Value 2/ (thousand dollars)	Thousand metric tons	Value 2/ (thousand dollars)	Value 2/ (dollars per ton)	Thousand metric tons
Brazil	210	5,900	2,040	58,500	28.68	893
Canada	604	18,300	3,190	97,800	30.63	2,820
Other	--	--	--	--	--	334
Total	814	24,200	5,240	156,000	29.87 3/	4,050

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Customs value. Excludes international freight, insurance, and other c.i.f. charges.

3/ Weighted average calculated by dividing total value by total tonnage.

Source: U.S. Census Bureau.

TABLE 9  
U.S. IMPORTS FOR CONSUMPTION OF IRON ORE,  
BY CUSTOMS DISTRICT 1/ 2/  
(Exclusive of ore containing 20% or more manganese)

(Thousand metric tons)

Customs district	September	January-September	
	2002	2002	2001
Baltimore, MD (13)	355	3,300	2,930
Buffalo, NY (09)	2	5	--
Charleston, SC (16)	79	208	41
Chicago, IL (39)	53	510	1,100
Cleveland, OH (41)	211	916	348
Columbia - Snake, OR (29)	--	28	--
Detroit, MI (38)	45	257	735
Houston - Galveston, TX (53)	--	28	48
Laredo, TX (23)	--	11	17
Los Angeles, CA (27)	--	(3/)	1
Miami, FL (52)	--	4	--
Mobile, AL (19)	154	487	637
New Orleans, LA (20)	327	2,740	2,200
New York City, NY (10)	--	--	(3/)
Philadelphia, PA (11)	--	7	80
Providence, RI (05)	--	34	--
San Juan, PR (49)	--	10	--
Savannah, GA (17)	--	--	24
Tampa, FL (18)	--	--	126
Total	1,230	8,540	8,290

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes agglomerates.

3/ Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10  
U.S. IMPORTS FOR CONSUMPTION OF PELLETS,  
BY CUSTOMS DISTRICT 1/

(Thousand metric tons)

Customs district	September	January-September	
	2002	2002	2001
Baltimore, MD (13)	150	1,310	1,020
Charleston, SC (16)	79	203	--
Chicago, IL (39)	--	111	653
Cleveland, OH (41)	211	916	348
Detroit, MI (38)	45	234	735
Houston-Galveston, TX (53)	--	17	16
Laredo, TX (23)	--	11	17
Mobile, AL (19)	119	420	370
New Orleans, LA (20)	210	2,010	860
Savannah, GA (17)	--	--	24
Total	814	5,240	4,050

--Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.